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USPT	c5 same antibod\$.clm.	11	<u>L3</u>
USPT	c5.clm.	1008	<u>L2</u>
USPT,PGPB,JPAB,EPAB,DWPI	(c5) same (antibod\$) same (treat\$ or therap\$ or prevent\$ or inhibit\$ or suppress\$ or block\$ or antagoni\$)	214	<u>L1</u>

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C5.USPT,PGPB.	21659
C5S.USPT,PGPB.	8
ANTIBOD\$	0
ANTIBOD.USPT,PGPB.	276
ANTIBODAY.USPT,PGPB.	1
ANTIBODEES.USPT,PGPB.	1
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☐ 1. Document ID: AU 735596 B, WO 9529697 A1, AU 9524747 A, EP 758904 A1, BR 9507594 A, JP 10500289 W, KR 97702732 A, MX 9605330 A1, AU 9941042 A, US 6074642 A

Jul 12, 2001

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TITLE: Treating glomerulonephritis with antibody against complement C5  
component - to inhibit complement induced cell lysis

INVENTOR: EVANS, M J; MATIS, L ; MUELLER, E E ; NYE, S H ; ROLLINS, S ; ROTHER, R P ; SPRINGHORN, J P ; SQUINTO, S P ; THOMAS, T C ; WANG, Y ; WILKINS, J A

PRIORITY-DATA: 1994US-0236208 (May 2, 1994), 1999AU-0041042 (July 21, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 735596 B	July 12, 2001		000	C07K014/00
WO 9529697 A1	November 9, 1995	E	181	A61K038/36
AU 9524747 A	November 29, 1995		000	A61K038/36
EP 758904 A1	February 26, 1997	E	000	A61K038/36
BR 9507594 A	September 16, 1997		000	A61K038/36
JP 10500289 W	January 13, 1998		179	C12N015/09
KR 97702732 A	June 10, 1997		000	A61K038/36
MX 9605330 A1	February 1, 1998		000	A61K038/36
AU 9941042 A	October 28, 1999		000	A61K038/36
US 6074642 A	June 13, 2000		000	A61K039/395

INT-CL (IPC): A01K 67/027; A61K 38/00; A61K 38/36; A61K 39/00; A61K 39/395; C07H 21/04; C07K 14/00; C07K 14/47; C07K 14/75; C07K 16/00; C07K 16/06; C07K 16/18; C07K 16/36; C07K 16/46; C12N 5/10; C12N 5/20; C12N 15/02; C12N 15/09; C12N 15/10; C12N 15/13; C12N 15/63; C12P 21/02; C12P 21/08; G01N 33/53

Full	Title	CLS.1	REF.1
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5G1-5G3.DWPI,EPAB,JPAB.	1
"5G1.1".DWPI,EPAB,JPAB.	1
C5.DWPI,EPAB,JPAB.	11539
C5S.DWPI,EPAB,JPAB.	1
(5G1\$ AND C5).JPAB,EPAB,DWPI.	1

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**Search Results - Record(s) 1 through 1 of 1 returned.**☐ 1. Document ID: US 6074642 A

L3: Entry 1 of 1

File: USPT

Jun 13, 2000

US-PAT-NO: 6074642

DOCUMENT-IDENTIFIER: US 6074642 A

TITLE: Use of antibodies specific to human complement component C5 for the treatment of glomerulonephritis

DATE-ISSUED: June 13, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wang; Yi	Orange	CT		
Matis; Louis	Southport	CT		
Rollins; Scott	Monroe	CT		

US-CL-CURRENT: 424/145.1; 424/130.1, 424/140.1, 424/141.1, 424/152.1, 424/158.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RMC	Draw Desc	Image
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5G1CG.USPT,PGPB.	1
5G1C0.USPT,PGPB.	2
5G1C7G2C.USPT,PGPB.	2
5G1C8H.USPT,PGPB.	2
5G1G.USPT,PGPB.	1
5G1H.USPT,PGPB.	7
(5G1\$ AND C5.CLM. ).USPT,PGPB.	1

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Documents, starting with Document: 1



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L4: Entry 4 of 12

File: USPT

Dec 29, 1998

US-PAT-NO: 5853722

DOCUMENT-IDENTIFIER: US 5853722 A

TITLE: Use of C5-specific antibodies for reducing immune and hemostatic dysfunctions during extracorporeal circulation

DATE-ISSUED: December 29, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rollins; Scott	Monroe	CT		
Smith; Brian R.	Madison	CT		
Squinto; Stephen P.	Bethany	CT		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
Alexion Pharmaceuticals, Inc.	New Haven	CT			02	
Yale University	New Haven	CT			02	

APPL-NO: 8/ 575057

DATE FILED: December 21, 1995

## PARENT-CASE:

This application is a continuation application of application Ser. No. 08/217,391, filed on Mar. 23, 1994 now abandoned.

INT-CL: [6] A61K 39/395, C07K 16/36

US-CL-ISSUED: 424/145.1; 424/140.1, 530/387.29, 530/389.3

US-CL-CURRENT: 424/145.1; 424/140.1, 530/388.25, 530/389.3

FIELD-OF-SEARCH: 424/130.1, 424/140.1, 424/145.1, 530/387.1, 530/388.1, 530/388.25, 530/389.1, 530/389.3

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

☐ Search Selected☐ Search ALL

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4686100</u>	August 1987	Raffin et al.	N/A
<input type="checkbox"/> <u>5135916</u>	August 1992	Sims et al.	514/21
<input type="checkbox"/> <u>5506247</u>	April 1996	Sindelar et al.	N/A

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heparin-induced extracorporeal LDL-precipitation (HELP)" European Journal of  
Clinical Investigation 21:288-294, 1991.

ART-UNIT: 186

PRIMARY-EXAMINER: Feisee; Lila

ASSISTANT-EXAMINER: Gambel; Phillip

ATTY-AGENT-FIRM: Klee; Maurice M. Fidel; Seth A.

ABSTRACT:

The use of anti-C5 antibodies to reduce the dysfunction of the immune and hemostatic systems associated with extracorporeal circulation procedures, such as, cardiopulmonary bypass procedures, is disclosed. The antibodies have been found to significantly reduce complement activation, platelet activation, leukocyte activation, and platelet-leukocyte adhesion associated with such procedures.

8 Claims, 4 Drawing figures